BC734 (PDGFAB, insert)

CTCGAGCAATTCCCACTGAATTTCGCCGCCACAGGAGACCGGCTGGAGCG
CCCGCCCCGCGCCTCGCCTCTCCTCCGAGCAGCCAGCGCCTCGGGACGC
GATGAGGACCTTGGCTTGCCTGCTGCTCCTCGGCTGCGGATACCTCGCCCA
TGTTCTGGCCGAGGAAGCCGAGATCCCCCGCGAGGTGATCGAGAGGCTGG
CCCGCAGTCAGATCCACAGCATCCGGGACCTCCAGCGACTCCTGGAGATA
GACTCCGTAGGGAGTGAGGATTCTTTGGACACCAGCCTGAGAGCTCACGG
GGTCCACGCCACTAAGCATGTGCCCGAGAAGCGGCCCCTGCCCATTCGGA
GGAAGAGAAGCATCGAGGAAGCTGTCCCCGCTGTCTGCAAGACCAGGACG
GTCATTTACGAGATTCCTCGGAGTCAGGTCGACCCCACGTCCGCCAACTTC
CTGATCTGGCCCCCGTGCGTGGAGGTGAAACGCTGCACCGGCTGCTGCAA
CACGAGCAGTGTCAAGTGCCAGCCCTCCCGCGTCCACCACCGCAGCGTCA
AGGTGGCCAAGGTGGAATACGTCAGGAAGAAGCCAAAATTAAAAGAAGTCC
AGGTGAGGTTAGAGGAGCATTTGGAGTGCGCCTGCGCGACCACAAGCCTG
AATCCGGATTATCGGGAAGAGGACACGGATGTGAGGTGAGGATGAGCCGC
AGCCCTTTCCTGGGACATGGATGTGGGGATCCGTCGACCTGCAGCCAAGCT
TAAAACAGCTCTGGGGTTGTACCCACCCCAGAGGCCCACGTGGCGGCTAG
TACTCCGGTATTGCGGTACCCTTGTACGCCTGTTTTATACTCCCTTCCCGTA
ACTTAGACGCACAAAACCAAGTTCAATAGAAGGGGGTACAAACCAGTACCA
CCACGAACAAGCACTTCTGTTTCCCCGGTGATGTCGTATAGACTGCTTGCGT
GGTTGAAAGCGACGGATCCGTTATCCGCTTATGTACTTCGAGAAGCCCAGT
ACCACCTCGGAATCTTCGATGCGTTGCGCTCAGCACTCAACCCCAGAGTGT
AGCTTAGGCTGATGAGTCTGGACATCCCTCACCGGTGACGGTGGTCCAGG
CTGCGTTGGCGGCCTACCTATGGCTAACGCCATGGGACGCTAGTTGTGAAC
AAGGTGTGAAGAGCCTATTGAGCTACATAAGAATCCTCCGGCCCCTGAATG
CGGCTAATCCCAACCTCGGAGCAGGTGGTCACAAACCAGTGATTGGCCTGT
CGTAACGCGCAAGTCCGTGGCGGAACCGACTACTTTGGGTGTCCGTGTTTC
CTTTTATTTTATTGTGGCTGCTTATGGTGACAATCACAGATTGTTATCATAAA
GCGAATTGGATTGCGGCCGTCGACGCTTGTTCTTTTTGCAGAAGCTCAGAA
TAAACGCTCAACTTTGGCGGCCGGCCCGGAATTCGAGCTCGCCCGGGGAT
CCTCTAGAGTCGACACCATGAATCGCTGCTGGGCGCTCTTCCTGTCTCTCT
GCTGCTACCTGCGTCTGGTCAGCGCCGAGGGGGACCCCATTCCCGAGGAG
CTTTATGAGATGCTGAGTGATCACTCGATCCGCTCCTTTGATGATCTCCAAC
GCCTGCTGCACGGAGACCCCGGAGAGGAAGATGGGGCCGAGTTGGACCT
GAACATGACCCGCTCCCACTCTGGAGGCGAGCTGGAGAGCTTGGCTCGTG
GAAGAAGGAGCCTGGGTTCCCTGACCATTGCTGAGCCGGCCATGATCGCC
GAGTGCAAGACGCGCACCGAGGTGTTCGAGATCTCCCGGCGCCTCATAGA
CCGCACCAACGCCAACTTCCTGGTGTGGCCGCCCTGTGTGGAGGTGCAGC
GCTGCTCCGGCTGCTGCAACAACCGCAACGTGCAGTGCCGCCCCACCCAG
GTGCAGCTGCGACCTGTCCAGGTGAGAAAGATCGAGATTGTGCGGAAGAA
GCCAATCTTTAAGAAGGCCACGGTGACGCTGGAAGACCACCTGGCATGCAA
GTGTGAGACAGTGGCAGCTGCACGGCCTGTGACCTGATAACCGGAAGCTC
TCGAG

BC 701:

CTCGAGAATTCGAGCTCGCCCGGGGATCCTCTAGAGTCGACACCATGAATC
GCTGCTGGGCGCTCTTCCTGTCTCTCTGCTGCTACCTGCGTCTGGTCAGCG
CCGAGGGGGACCCCATTCCCGAGGAGCTTTATGAGATGCTGAGTGATCACT
CGATCCGCTCCTTTGATGATCTCCAACGCCTGCTGCACGGAGACCCCGGAG

Figure 1A

AGGAAGATGGGGCCGAGTTGGACCTGAACATGACCCGCTCCCACTCTGGA
GGCGAGCTGGAGAGCTTGGCTCGTGGAAGAAGGAGCCTGGGTTCCCTGAC
CATTGCTGAGCCGGCCATGATCGCCGAGTGCAAGACGCGCACCGAGGTGT
TCGAGATCTCCCGGCGCCTCATAGACCGCACCAACGCCAACTTCCTGGTGT
GGCCGCCCTGTGTGGAGGTGCAGCGCTGCTCCGGCTGCTGCAACAACCGC
AACGTGCAGTGCCGCCCCACCCAGGTGCAGCTGCGACCTGTCCAGGTGAG
AAAGATCGAGATTGTGCGGAAGAAGCCAATCTTTAAGAAGGCCACGGTGAC
GCTGGAAGACCACCTGGCATGCAAGTGTGAGACAGTGGCAGCTGCACGGC
CTGTGACCTGATAACCGGAAGCTCTCGAG

BC450:

Sal I
GTCGACTCTAGAGGGACAGCCCCCCCCCAAAGCCCCCAGGGATGTAATTA
CGT
CCCTCCCCCGCTAGGGGCAGCAGCGAGCCGCCCGGGGCTCCGCTCCGGT
CCGGCGCTCCCCCCGCATCCCCGAGCCGGCAGCGTGCGGGGACAGCCCG
GGCACGGGGAAGGTGGCACGGGATCGCTTTCCTCTGAACGCTTCTCGCTG
CTCTTTGAGCCTGCAGACACCTGGGGGGATACGGGGAAAAAGCTTTAGGCT
GAAAGAGAGATTTAGAATGACAGAATCATAGAACGGCCTGGGTTGCAAAGG
AGCACAGTGCTCATCCAGATCCAACCCCCTGCTATGTGCAGGGTCATCAAC
CAGCAGCCCAGGCTGCCCAGAGCCACATCCAGCCTGGCCTTGAATGCCTG
CAGGGATGGGGCATCCACAGCCTCCTTGGGCAACCTGTTCAGTGCGTCAC
CACCCTCTGGGGGAAAAACTGCCTCCTCATATCCAACCCAAACCTCCCCTG
TCTCAGTGTAAAGCCATTCCCCCTTGTCCTATCAAGGGGGAGTTTGCTGTGA
CATTGTTGGTCTGGGGTGACACATGTTTGCCAATTCAGTGCATCACGGAGA
GGCAGATCTTGGGGATAAGGAAGTGCAGGACAGCATGGACGTGGGACATG
CAGGTGTTGAGGGCTCTGGGACACTCTCCAAGTCACAGCGTTCAGAACAGC
CTTAAGGATAAGAAGATAGGATAGAAGGACAAAGAGCAAGTTAAAACCCAG
CATGGAGAGGAGCACAAAAAGGCCACAGACACTGCTGGTCCCTGTGTCTGA
GCCTGCATGTTTGATGGTGTCTGGATGCAAGCAGAAGGGGTGGAAGAGCTT
GCCTGGAGAGATACAGCTGGGTCAGTAGGACTGGGACAGGCAGCTGGAGA
ATTGCCATGTAGATGTTCATACAATCGTCAAATCATGAAGGCTGGAAAGCCT
CCAAGATCCCCAAGACCAACCCCAACCCACCCACCGTGCCCACTGGCCAT
GTCCCTCAGTGCCACATCCCCACAGTTCTTCATCACCTCCAGGGACGGTGA
CCCCCCCACCTCCGTGGGCAGCTGTGCCACTGCAGCACCGCTCTTTGGAG
AAGGTAAATCTTGCTAAATCCAGCCCGACCCTCCCCTGGCACAACGTAAGG
CCATTATCTCTCATCCAACTCCAGGACGGAGTCAGTGAGGATGGGGCTCTA
GAGGGACAGCCCCCCCCCAAAGCCCCCAGGGATGTAATTACGTCCCTCCC
CCGCTAGGGGCAGCAGCGAGCCGCCCGGGGCTCCGCTCCGGTCCGGCGC
TCCCCCCGCATCCCCGAGCCGGCAGCGTGCGGGGACAGCCCGGGCACGG
GGAAGGTGGCACGGGATCGCTTTCCTCTGAACGCTTCTCGCTGCTCTTTGA
GCCTGCAGACACCTGGGGGGATACGGGGAAAAAGCTTTAGGCTGAAAGAG
AGATTTAGAATGACAGAATCATAGAACGGCCTGGGTTGCAAAGGAGCACAG
TGCTCATCCAGATCCAACCCCCTGCTATGTGCAGGGTCATCAACCAGCAGC
CCAGGCTGCCCAGAGCCACATCCAGCCTGGCCTTGAATGCCTGCAGGGAT
GGGGCATCCACAGCCTCCTTGGGCAACCTGTTCAGTGCGTCACCACCCTCT
GGGGGAAAAACTGCCTCCTCATATCCAACCCAAACCTCCCCTGTCTCAGTG
TAAAGCCATTCCCCCTTGTCCTATCAAGGGGGAGTTTGCTGTGACATTGTTG
GTCTGGGGTGACACATGTTTGCCAATTCAGTGCATCACGGAGAGGCAGATC
TTGGGGATAAGGAAGTGCAGGACAGCATGGACGTGGGACATGCAGGTGTT
GAGGGCTCTGGGACACTCTCCAAGTCACAGCGTTCAGAACAGCCTTAAGGA
TAAGAAGATAGGATAGAAGGACAAAGAGCAAGTTAAAACCCAGCATGGAGA
GGAGCACAAAAAGGCCACAGACACTGCTGGTCCCTGTGTCTGAGCCTGCAT
GTTTGATGGTGTCTGGATGCAAGCAGAAGGGGTGGAAGAGCTTGCCTGGA
GAGATACAGCTGGGTCAGTAGGACTGGGACAGGCAGCTGGAGAATTGCCA

Figure 1B

TGTAGATGTTCATACAATCGTCAAATCATGAAGGCTGGAAAGCCTCCAAGAT
CCCCAAGACCAACCCCAACCCACCCACCGTGCCCACTGGCCATGTCCCTCA
GTGCCACATCCCCACAGTTCTTCATCACCTCCAGGGACGGTGACCCCCCA
CCTCCGTGGGCAGCTGTGCCACTGCAGCACCGCTCTTTGGAGAAGGTAAAT
CTTGCTAAATCCAGCCCGACCCTCCCCTGGCACAACGTAAGGCCATTATCT
CTCATCCAACTCCAGGAACGGAGTCAGTGAGGATGGGGCTCTAGAGGATC
CCTCGACCTGCAGGTCAACGGATCACAACAAACTGGAAAATTCTTCAAGAG
AAGAATACCAGACCACCCTACCTGCTTCCTGAGAAATCTGTTTGCTGCTCAG
AAGCAACAGTTAGAACCAGACATGGAACAACAGACTGGTTCCAAATCAGGA
AAGGAGTATGTCAAGGCTGTATATCGTCACCCTGATTATTTAACTTATATGCA
TAGTACATAATACAAAATGCCAGGCTGGATGAATCGCAAGCTGGAATCAAGA
TTTCTGGGAGAAATATCAATAAACGAGATACAAAGATACACCACACTTATGG
CAGAAAACTAAGAAGAACTAAAGAGCCTCTTGATGAAAGTGAAAGAGGAGA
GTGAAAAAGCCAGCTTAAAACCCAACATTCAAAATCAAGATCATCATTTCAT
GGCAAATAAATGGGGAAACAATGGAAACAGTGAGAGACTTTATTTTCTTGGG
CTCCAAAATCACTGCAGATTGTGACTACAGCCATGATTAAAAGATGCTTGCT
CCTTGGAAGAGAAGCTATTACCAAACTAGAAAGCATATTAAAAAGCAGAGAC
GTTACTTTGCTGACTAAGTTCTGTCTAGTCAAACCTATGGTTTTTCCAGTAGT
CATATATGGATGTGAGTTGAACTATAAAGAAAGCTGAGCACCAAAGAATTGA
TGCTTTTGAAATTTGGTGTTGGAGAAGTCTCTTGAGAGTCCCTTGAACCTGC
AAGGAGATCCAACCAGTCCATCCTAAAGGAAATCAGTCCTGAATATTCATTG
GAAGGACTGATGCTGAAATTGAAGATTAACGTTTTGGACTCACCTAATGCAG
AAGAGCCAACTCACTAGAAAAGACCCCATGTTGGCAAAAATTGAAGCCAGG
AAGAGAAGTGAATGACAGAGGATGAGATGGTTGGATGGCATCGTTGACTGA
ATGGACATGAGTCTGATCAAGTTCCGGGAGACAGCAAAGGACAGGGCTGC
CTGGTCTGCTGCAGTCCATGGGGTTGCAAAGAGTCGGTCTCAAATGAGTAA
CTAAACAACAACCAAGCAGTAGAAAAATAAATAAAATTTGTCTCTGAGATCTC
AGTACCTCTTTCTGTGCATATCCGTCTCCTGTTATTGTACTTTGTCTTCTGCT
TGTAATAAAGCTGTCCTGTTAGTAAAATCTGTTTGGGTCCTCTGAATTCTTTT
AGCTATCAAAAATGGAAGGTGATTATTGTGCAATGTCCACCTCTGAGTAATA
TACAGAGAATAAAAGAAGGGAGAAATTATGTGCAAGTTCTCTCTCATCTCCT
GCTTCTCATTTAAAAGATTCTACCTCAGTGGGGGCTAAAACTCCACATTTAA
CAGTAGCAAAAACCAATATTCCATAGCTTCTTAGGAAACCATTTTTTATACTC
TTGTATGTAATTACATTCAAGCTCAAAAGCAAAGAAGTGATTCTGCGTTGGT
GAAGGCCCAACCATAGAAAAGAGGAAGAAAATAGGCCACATACTGTGCTTC
CCCCATAGCTCAGTTGGTAAAGAATCTACCTACAATGCAGGAGGCCTGGGC
TTGATCCCTGGGTAAGGGAGATCCCCTGGAGAAGGAAATGGTAACCCACTC
CAGTACTCTTGCCTGTAAATCCCATGGACGGAGGAGCCTGGCAGCTACAGC
CTTGGGGTGGCAAGAGTTGGACATGATTAACAACTAAACCACTGCCACCAC
TCCACATACTGAGTGCTCCCCAGTGGCACTAGTGGTAAAGAACCACCTGCC
GGTGCAGAAGACATTAAAGACACTGGCTCTATCCCTGCTTGGGAAGTAGGG
AAGATCCCCTAGAGAGGGAAATAGCAACCCACTCCAGAATTCTTGCCTGGA
AAATCCCATGAATGAAGACTGGCGGGCTGTAGTAACTGGGGTCACAAAGAG
TTAAACATGATTTAGCAACTAAACATCACCACATTAAAAAAATTACCACCAAA
ATAGTCATATTCCAGGCTAAGGGGAATAATAGCACTAGTACCTGAGAGAACT
TTCTCAGATTCTCTGTCAAGTTCTTCCTTCTCTCATATAACCAGTAGTCTAGT
TTACCTCATCAGATATTAACTACTCATCGATTCTAAATTATCTAATTATGGGG
GGGGGCACTACATTGCATTATATTTTGTGTCCATTGACTATCACTCAATTTAT
TTATAAAAAATTCATCCATGTTGTTTCTGTGACAGTAACTCATTCACATTAATT
GTAATATCTCATTGCATTGTATACTACAATTTATTTATACAAAATACTATTATT
CACACTTCTGTTGATTTTAATTTGGAACATCAACAATAACGTGGCTGAGAAG
CTTCTTTCTTTAGTATATTGTTAAGGATTTCCTTGATCAAGATTTTACCTACTT
TTCTGGTCCAATTGGTGAGAGACAGTCATAAGGAAATGCTGTGTTTATTGCA
CAATATGTAAAGCATCTTCCTGAGAAAATAAAAGGGAAATGTTGAATGGGAA
GGATATGCTTTCTTTTGTATTCCTTTTCTGAGAAATCAGACTTTTTCACCTTG
GCCTTGGCCACCAAAAGCTAACAAATAAAGGCATATGAAGTAGCCAAGGCC
TTTTCTAGTTATATCTATGACACTGAGTTCATTTCATCATTTATTTTCCTGACT
TCCTCCTGGGTCCATATGAGCAGTCTTAGAATGAATATTAGCTGAATAATCC

Figure 1C

AAATACATAGTAGATGTTGATTTGGGTTTTCTAAGCAATCCAAGACTTGTATG
ACAGTAAGATGTATTACCATCCAACACACATCTCAGCATGATATAAATGCAA
GGTATATTGTGAAGAAAAATTTTTAATTATGTCAAAGTGCTTACTTTAGAAGG
TCATCTATCTGTCCCAAAGCTGTGAATATATATATTGAAGGTAATGAATAGAT
GAAGCTAACCTTGTAAAAATGAGTAGTGTGAAATACAACTACAATTATGAAC
ATCTGTCACTAAAGAGGCAAAGAAACTTGAAGATTGCTTTTGCAAATGGGCT
CCTATTAATAAAAAGTACTTTTGAGGTCTGGCTCAGACTCTATTGTAGTACTT
AGGGTAAGACCCTCCTCCTGTATGGGCTTTCATTTTCTTTCTTGCTTCCCTC
ATTTGCCCTTCCATGAATACTAGCTGATAAACATTGACTATAAAAGATATGAG
GCCAAACTTGAGCTGTCCCATTTTAATAAATCTGTATAAATAATATTTGTTCTA
CAAAAGTATTATCTAAATAAATGTTACTTTCTGTCTTAAAATCCCTCAACAAAT
CCCCACTATCTAGAGAATAAGATTGACATTCCCTGGAATCACAGCATGCTTT
GTCTGCCATTATCTGACCCCTTTCTCTTTCTCTCTTCTCACCTCCATCTACTC
CTTTTTCCTTGCAATTCATGACCCAGATTCACTGTTTGATTTGGCTTGCATGT
GTGTGTGCTGAGTTGCGTCTGACTGTTATCAACCCCATGAATGATAGTCCAC
CAGGCTCTACTGTCCATGAAATTTTCCAGTCAAGAATACTGGAGTGGATTGC
ATTTCCTACTCCATTTGATTAATTTAGTGACTTTTAAATTTCTTTTTCCATATTC
GGGAGCCTATTCTTCCTTTTTAGTCTATACTCTCTTCACTCTTCAGGTCTAAG
GTATCATCGTGTGCTTGTTAGCTTGTTACTTTCTCCATTATAGCTTAAGCACT
AACAACTGTTCAGGTTGGCATGAAATTGTGTTCTTTGTGTGGCCTGTATATTT
CTGTTGTGTATTAGAATTTACCCCAAGATCTCAAAGACCCACTGAATACTAAA
GAGACCTCATTGTGGTTACAATAATTTGGGGACTGGGCCAAAACTTCCGTG
CATCCCAGCCAAGATCTGTAGCTACTGGACAATTTCATTTCCTTTATCAGATT
GTGAGTTATTCCTGTTAAAATGCTCCCCAGAATTTCTGGGGACAGAAAAATA
GGAAGAATTCATTTCCTAATCATGCAGATTTCTAGGAATTCAAATCCACTGTT
GGTTTTATTTCAAACCACAAAATTAGCATGCCATTAAATACTATATATAAACA
GCCACTAAATCAGATCATTATCCATTCAGCTTCTCCTTCACTTCTTCTCCTCT
ACTTTGGAAAAAAGGTAAGAATCTCAGATATAATTTCAGTGTATCTGCTACTC
ATCTTTATTTTGGACTAGGTTAAAATGTAGAAAGAACATAATTGCTTAAAATA
GATCTTAAAAATAAGGGTGTTTAAGATAAGGTTTACACTATTTTCAGCAGATA
TGTTAAAAAATAGAAGTGACTATAAATACTTGATAAAAATTATAGTGACTGCA
AATGTTTTAGGAATATAATAAGATATAATAACAGTGGTTGCTATTTTCTTTAG
CACAAGACTAGTTAACAGGCTGTATTAAAAGATCTTTTCTTGAATTAAATATT
TTCAATTTGATTAAACCTACCTCAGCCATAAAGGCAAGCACATTTCATTTATA
CTATGGGGATTTGAATAATTATTACTGAAGAAGCTCTACCAACAAAAAGTTTA
TAGAGCTATCATATTTAGTCAAGAGATAAAGAGGGTTGTTAGGATATATATG
CTATTTGAAAGGTATTTATAAAAGAAGAGTATATTTATCAAAATTTCTCAAGAA
CATCCAAATTTCAAGTTTATCATTTATCTTACAATATTTCAAAAATATTAAAAT
AGATACATGAAATACAGAAGTAAATTAAAGAGAAAGTATTTTACTTGGTAAAA
AAATTCTAGGTTGGACAGAGAGTGCCAGGAAACAAAAACAATGAAAAATGTG
ACCTGACAGGAATTATAGCTCAAAGTATAGTAGTAAGTAATGAAATGGCTTA
AAAATTGGTATATAAAATGCTAGTTATAAAATAAACAAAATGCAATAATATCCT
CCCTACATGTAATGAATTCTAGGTATTATGATTATGCTCTTTTTTGAAGTCTT
GACAATAAAAATTTTTTTAGAAGTTTATAGGCATCTTGAATAAAGTGAAACAA
ATTAAGAATTAGTATCCATGAGAAAAATATAGAACAATTTTCCTAATTTAGTTT
GAAAATCTGGGATTGAAGATGTGTGTCAAGAGATGTTGGTGGCAAGAACAT
TTTTTTTTCAAGAACTTATAAAAATGCAACAAAACAAACCATTTAATACATTTT
GGTCAAAATCAATAATGTATTTTATTTTATGCTCCAAGGAGCATAAAATTGGG
GACTGGGCAAGAGAAACTGACACCCTGGTAAATTACCAAGAGATAAGTACA
CAGTTACTATAGTAGAAAATAAGCATAGTGTATGATCTCTAAAATTATGTGAG
ACAAAGGAGAGATGACATTAGGCATGTGGGGATGAAGACTGAGTAGAGAAG
AAACAATCTAATCAGTCCAAGAAAACATCTCGATCAGTGGAACAAATAGAAG
AAATGCTAAAATGAAACAGAAGTCTTACTGGAAATAAAAGATATGCATAAGA
CAAAAATTCATGAAAATCACTTAGTTTAGCAGAGAAAAGATAAAAATAAAGTA
TGACCTTCTTCATATACATTGTTTGATCATATGCACCTCAATAAAACTGAGTC
TCCAACAGAAATGAAACATTAATATTTTGTTCACTGCTCTAATCCCAGAATCT
AAGCGATATCTGGCAATAAAAATAATAAATATATATTTTTTAATAAATGAATCA
ACCACTTAATTTTTCTGTAAATATCTGTAACTTCTCTTCTGTCTTTCCAAAAAC

Figure 2D

ACTCATAAGTACTGTGAATGAGATGAAAAAGAGTGAAGTAGGATATAGGCTG
TTAGCAGAAAACATCTGAATGGCTGGCAGTGAAACATTAACTTGAAATGTAA
GATTAATGAGTAATAGTAAATTTTAACCTTGGCCATATGATAAAATGTTCATT
AATATTTTTCTAGAATACAGGGCTTTTTGTTTTTGCCATGAGGTTTGCAGGAT
CTTGGTTCCCTGACCAGGGATCAAACCTGCACACCAGGGATCAAACCTGCA
CTCCCCTGGAAGCATGGAGTCTTGGACATTTGTATTATACACTATCTTTGGT
TCCTTTTAAAGGGAAGTAATTTTACTTAAATAAGAAAATAGATTGACAAGTAA
TACG

Xho I (cloning site)

CTGTTTCCTCATCTTCCCATTCACAGGAATCGCGGATCCTCGAGGATCCGG
ACC
CTTCCCTATTCTTGTAAGTCTAAATTTACTAACTGTGCTGTTTAACTTCTGAT
GTTTGTATGATATTTGAGTAATTAAGAGCCCTACAAAAAAATCAATAATGAAT
GGTTCCAAAATAAGCATAGCTGAGATTAATGATTCTCAGCATTAGTTATAAAT
AGAATAAGCTGGAAAACCTTCACCTCCCCTCCACCACCAGATCTCAATGTCT
AGGCTTACCCATGGAGATTCTGATTAACTGTTCTTTCTATGTAGAAGAAACTT
ATTGGGAAGAAATAATATAATGGACTATGATTTAATTGGTCTGTTGAGAATTT
AGATGAAGGGGATTAAGTTACAATAAAGCCAGAATTTAACTTGATAATCTCAT
TTGGCTAAGAATAACAAACCTAAGAAGGTTTGCTATTTTCTACAATTTTGAAG
TTTTCCTTATGCACAATTATTTCACCACATGACTCATTTCACATCTTGTTTTTG
ATATATGAGCATATGAGGGCAAAATACTGAAGATGCTTATTTCAATACTCAG
GGAAAATTTTCTTGCCAAAAGGCAAGAATTGTATAATTCATTCACTTATTTTA
TTTTTTTTAATTTTTAAGGTCTAAGAGGATTTCAAAGTGAATGCCCCCTCCTC
ACTTTTGGTAAGCTTTAGGAGATTGGAGGCAGACTGATCATTTTTATAGTTAA
TATCTTTTACATTTCATCTTCCTGGATAAGCCCCAATAGTAGCAATTTCTATC
AGTATACCAGCATAAAGATTAGTTTTAAATTTATTTTCAGTGATTGACTGTTAT
TTACTGACCTGAAATTATGTATCTGTTATATTTCAAATAATGCAAAACTGTATA
TATATGGTGTTGACAGATTTGATTGGTTTTCTTTCAATTGCCTATATCCTTATT
ATTGATTGTAATCATTTATAGAAAAAACAAAATAATTTCTTATACTTTTATGTA
AACCTGTTAGAGCTTATTTTAAAGATCAACTGCATTCACATTTCTAATCTAGT
CATTATGAGCTTCAATTGTTTTATCTCACTTAAAATTTATATATTGTCTTTTAAT
TCATGAGTCAAAATACAATCTCACAGTCCAGATATGGGACTTAAAAGGGGAA
TAGCATATAGTTTTGATATTCTTAAAGATATACATCTTTTTGTGATCATGATTC
AGCAGACATTTTAATAAAACAATTCCAAGTGAGCCGACACTTGGTCCTAGAG
GAATTTTTATAACCTTAAGATAAGGCACAGCATGGTGTTTTTGTAATAAGATT
TCTTTTATGAAAAAGTCACACCAAAATTGGAAATGGGGTGAGATGAAGAGTT
ATAACATATAACTAAATGGACATTTGTTCTCTATTCCACAGAATTGACTGCGA
CTGGAAATATGGCAACTTTTCAATCCTTGCATCATGCTACTAAGATAATTTTT
AAATGAGTATACATGGAACAAAAAATGAAACTTTATTCCTTTATTTATATTATG
CTTTTTCATCTTAATTTGAATTTGAGTCATAAACCATATACTTTCAAAATGTTA
ATTCAACATTAGCATAAAAGTTCAATTTTAACTTGGAAATATCATGAACATAT
CAAATTATGTATAAAAATAATTTCTGGAATTGTGATTATTATTTCTTTAAGAAT
CTATTTCCTAACCAGTCATTTCAATAAATTAACCCTTAGGCATATTTAAGTTTT
CTTGTCTTTATTATATTTTTAAAAATGAAATTGGTCTCTTTATTGTTAACTTAAA
TTTATCTTTGATGTTAAAAATAGCTGTGGAAAATTAAAATTGAATAGAATTCTT
TGAATTGAGTTCCAAAGGATATCAAAAAGTGAGGGAAAAGATAGGGTGAGC
CTATGCTGCATATGTCCTTAGAAAGTCTTGGTTTATACCTGTTACCTAAGTTA
AACAATTATACTTGTTCCTTTCACTCTCGAAAGTACCCAGCATTGGATGTTAA
ATTTTATAGTCATCCTAGACAAAAAAAAAAAAAAAAAACAAACAACCCTCAAAT
GTGATATCTGAATCACAGCTCTACAGTGTGGTAGCTAAGTGGTGCTGTGTAA
GTTAGTCTCCAAGAGATTCCATTTCTACATTTATAAACAGTCAATTTAAGGTG
TTTTATTGAAGTTTTAATGTGAAAAGTGCACTATATGGTGCATGATAGGAGTT
CCTGGTTGAATCTCATTTCTGACATCACTGACACCAGTGCAGCAAGGACTAG
TGTTACAATCAGAAGGAGCTGAGTTGTGTAATTTTAGCCATTAATGCCCAAG
AGACTAGAACTTACACAAAGCTCTAATATCCATTGTCTCTGTCTGTGGAGTA
ATTATTTCATTGCCATGAATTATCTGTCTGTCATATCCTGCATTTTTATACATG
ATTCAGTTCCCTTCAGTTCACACAATGACTTGTCTAATTTCATCTTTCCTGCA

Figure 1E

TCCTCCATGTTTTCCTCACTTCAGGATTAAGTGAAGCCGTACTTAGGCACAA
TATTTCTTATCTTTAAAGAAAAATTCCATCTTTGAGAGTTGTTATTGTTCAGTC
ACTAGGTCATGTCCAACTCTTTGTGACCCCATGCACTGCAGCATGCCAGGC
TTCCCTGCCCTTCGCTCTCTCCTGGAGTTTGCTCAGACTCATGTAGATTGAG
TCGGTGATGGTATCCAACTATCTCATCAACTGTTGTGCCCTTCTCCTCCTAC
CCTCAGTCTTTACCAGCATCAGAGTCTTTCTCAGATTCTTCAGGTTATTATAT
AACAACTATCATAAAAGGAGTATCTAAATGGCTGTGTCCATTATTTCACATGT
TATTCTCTCTTTAACTTGCTCCAATCCCAATTTTATCCCTATGGGAACTGCTT
TATTGAAGATCACCAACAACTTTTATTTTACTAATCGTTTTGTTTTACCCAACC
TCTCAGTGAGTGTTATGAGGTAGAGTTGACTATTTCTTCATTTTGAAATATTA
CGCTTCATTTCATTTGATATCCTAAAGCTCATAAGGTGTGGTTTTTCTCTTAA
CTCACTAGACACTTCTTTGAAGTCTCTCTTCTGGCATTTTCTCCTTTTCCAAA
ATTTTAATGGTTGGAGTACCCTAGATTTTAGCCTTAATTTGTTTGATGTTGTT
CAGTTCCATTCTCAGCTCAGAGCTTCCAACTGTATGTCTCCAAACTTACTCG
TTTTGTAAACTCCAAACTCATGCACTCAACTGCATTCTTGACCTCCACACTGA
ATTATCTAATTAATGTCCTAAATCTGGCATGACCAAGCATACATTTTTGTCTG
AATCCAGTCCCCAACTTGCTCAAAATTTAATTAAACGTAATTCAGTTACAAAG
GCAGCTGATATTGTATGCAATAGACCTGAATGGGAACTTCACAAAAGAAGTT
ATCTTAATTGTCAATAAAAACATGAAAAATACTCTACATCATCAATCTTCAGA
AAAATGCAAATTAAAGGTGCCTAATAATATCATGACACAACCGTCAGAATGA
CTGAAATGAAAAGAATTGTAATACAGTTCAGTTCAGTTCAGTTACTCAGTCGT
CTCCAACTCTTTGTGACCCCATGAACTGCAGCATGACAGACCTTCCTGTCCA
TCACCAACTCCCAGAGTTTACTCAGACTATGTCCATTGAGTTGATGATGCCA
TCCAACCATCTCATCCTCTGTCGTCCCCTTCTCCTCCTGCCCTCAGTCTTTC
CCAGCATCAGGGTCTTTTCCAATGAGTCAGCTCTTCGCATCAGGTGGCTAAA
GTATTGGAGTTTCAGCTTCAACATCAGTCCTTCTAATTAACACCCAGGACTG
ATCTCTTTTAGGATGGACTAGTTGGATCTCCTTGCAGTCCAAGGGACTCTCA
AGAGTCTTCTCCAACACCACAGTTCAAAAGCATCAATTCCTTGGCACTCAGC
TTTCCTTATAGTCCATGTCTCACATCCACACATGACTATTGGAAAAACCATAG
CCTTGACTAGGTGGACCTTTGTTGACAAAGTAATGTCTCTGCTTTTTAATATG
TTGTCTAGATTGGTCATAACTTTCCTTCCAAGAAGTAATTGTCTTTTAATTTCA
TGGCTGCAGTCACCATCTGCAGTGATTTTGGAGCCCCAAAATATAAAGTCAG
CTGCTGTTTCCACTGTTGCCCCATCTACCCCATCTATTTGCCATGAAGTGAT
GGGACTGGATGCCACTATCTTAGTTTTCTGAATGTTGAGCTTTAAGCCAGCC
TTTTTACTCTCCTCTTTCACTTTCATCAAGAGGCTCTTTAGTTCCTCTTCACTT
TCTGCCATAAGGGTGGTGTCATCTGCATATCTGAGGTTATTGATATTTCTCTT
GGCAATTTTGATTCCAGCCTGCACTTCTTCCAGCCCAGTGTTTCTCATGATG
TACTCTGCATATAAATTAAATAAGCAGAGTGACAATATACAGCCTTGACATAC
TCTTTTTCCTATTTGGAACCAGTCTGTTGTTCCATGTCCAGTTCTAACTGTTG
TTTCCTGACCTGCATACAGGTTTCTCAAGAGGCAAGTCAGGTGGTCTGGTAT
TCTCACCTGTTTCAGAATTTTCCACAGTTTATTGTGATCCACACAGTCAAAGG
CTTTGGCATAGCCAATAAAGCAGAAAGAGATGTTTTTCTGGAACTCTCTTAC
TTTTTTGATGATCCAGTGGATGTTGGCAATTTGATCTCTGGTTCCTCTGCCTT
TTCTAAAACCAGCTTTAACATCTGGAAGTTCATGGTTCACGTAATACAAAATG
TAATACAAAATGTCTGCAAAAACAAAGGAATGAAAAGTAATGCTAAAAAATGT
TAATATTTACAGAAATTTTTATAGTAGTAAAGAATTCACCTGCAATACAGGAG
AACCGGGTTAGATCCCTGGGTTGGAAGACCTCCTGGAGAAGGAAATGGCTA
CCCAATCTAGTATTCTTGTCTGGAGAAGGCAAGAATGGACAGAGAAGCCCA
GCGGGCTATGGTCCATCGGGTCACAAAGAGTCAGAAGCTACCTTGCACACA
GCAAGCACGGTGCGCGCGCGTGCACACACACACACACACACACACACAGA
CACACACACACTCTAAAACATTTACCCAAGCTTGTCCAATGGAAAATCAAAA
AGCCAGCAATTTAAGATGACATCAGGTACCACTGTCCAGGTAAGCCTCAGA
ACACAATGACCAGTAAGAAGCAAAGTGCCATATGAGCAACTCGAATTTTTGC
AATGTTACCTAAGAGCTTCCATTTTTATAATGCAAAAGAATTTCATATGGGGA
AATTGTATTAGATAACCCTGAATGAGGAGCAAGATATAGTCAAAGTAAGATG
CTCTAGTACTATTTTTTATAAGCATGATTTGTTCAGCCAAAGGTTTTTTCCCAT
ATGGCCAATGAACTGAAATATGCAGTCCTGAGATTTGCATATATTTCTAGCT
GAAACCAAGTAAATAATATCCTCAAGAAAGAAATCAATAGAAAAGTTGGATG

Figure 1F

AAGAGTACAATAAAGGGACCAAAAATATTCAGAAATAAGAACTAGAGGAGAT
ATTGGGAAATCCCTGGTGAGTCCAGTTTAGGATTTTGTACTTTCACTGCAGT
TGGCATGGATATAATCCCTCACTGGGGAACTAAGATCCCATAAGCTGTGTTG
GATTGCCAAAAAAATAAATATTAAGAGATATCATTCATAGAATATTTTAAAGAT
ATTTTAGAGAAGAGGAAATTAAGGATGTGAGAATTTGTATTACTTTTTCAAGA
TACTAAAGCTATTTAGAGATAGAGCTGTTACTAAAAACTTCAGTTTCCTAAAA
ATTATTTGAAGCACTGTTTAATAAATTCCAAAATATAGAGGAAGGAAAACAAA
ATACTGAGGATTCATATAATGATTCAGATTTAGAAACAATATAACACAGAATT
AGTGAATTCTGACAAATTATTAGGTAGGAGTAGATAGTTCAGCATTACTCGT
ATAGATGGAGTATTTAATCCTTTCCATGAGATTATCCAAATATAATAATTTCG
TATCTATGTGAAGTATAACTATTAAGATTACTTTATAAAGTAAATCAAGAACC
AGAGAATAAGAAAAATGTTTTGTGAACCAGCAGATACTATGAACACATAAAA
CTCAGAACCCTGATTCCTAAGACACACAGCTAATCCTGATTATTCTTCCTTTA
CATGTGACCATAGAACTTCACACAAGTTCAAGATACATTTGTTGAGCACATC
AGTATCAGTTCAGTCACTCAGTCATGTCCGAATCTTTGTGACCTTGTGGACT
GCAGCACGCCAGGCTTTCCTGTCCACCACCAACCCCTGGAGCTTACTCAAA
CTCATGTCCATTGAGTCAGTGATCCCATCCAACCATCTCATCCTCTGTCATC
CTCTTCTCCTGCCTTCAATCTTTCCCAGACATTGGAGTCTTTTCCAATGAGTC
AGATCTTCACATTAGGTGGCCAAAGTATAGGAGTTTCAGCTTCAGCATCAAT
CCTTCCAATGAATATTCCTTGATGTACCCCTTTCGCAGTTTGGAACCAGTCT
GTTGTTCCATGTCCAGTTCTAACTGCTGCTTCTGGACCTGTATACAGATTTCT
CAGGAGGCAGGTAAAGTGGTCTGGTATTCCCATCTCTTGAAGAATTTTCCAC
AGTTTATTGTGATCCACACAATCAAAGGCTTTAGCGTAGTCAATAAAGCAGA
TGTTTTTCTGGAACTCTCGTGCTTTTTTGATGATCCAATGGATGTTGGCAATT
TGATCTCTGGTTCCTCTGCCTTTTCTAAATCCAGCTTGAACATCTGGAAGTTC
ATGGTCCACGTACTGTTGAAGCCTGGCTTGGAGAATTTTGAGAGTTATTTTG
CTAGCATGTGAGATGAGTGCAATCATGTGGGTGTTTGAACATACTTTGTCAT
TGCTTTTCTTTGGGATTGTGGCAGTCCTGTGGCCACTGCTGAGTTTTCCAAA
TTTGCTGACATATTGAGTGCAGCACTTTCACAGCATCACCTTTTAAGATTTGA
AATAGCTCAACTGGAATTCCATCACCTCCACTAGCTTTGTTCATAGTGAGGC
TTTCTAAGGCCGTTTGACTTTGCA

Sal I
TTCCAGGGTGTCTGGCTCTAGGTGAGTGATCCGTTGACCTGCAGCGGCCGA
GTCGACTCGGCCGCGAATTCTTGAAGACGAAAGGGCCTCGTGATACGCCTA
TTTTTATAGGTTAATGTCATGATAATAATGGTTTCTTAGACGTCAGGTGGCAC
TTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATT
CAAATATGTATCCGCTCATGAGACAATAACCCTGATAAATGCTTCAATAATAT
TGAAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCCT
TTTTTGCGGCATTTTGCCTTCCTGTTTTTGCTCACCCAGAAACGCTGGTGAA
AGTAAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGGTTACATCGAACT
GGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCGCCCCGAAGAACGTTT
TCCAATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCCGT
GTTGACGCCGGGCAAGAGCAACTCGGTCGCCGCATACACTATTCTCAGAAT
GACTTGGTTGAGTACTCACCAGTCACAGAAAAGCATCTTACGGATGGCATG
ACAGTAAGAGAATTATGCAGTGCTGCCATAACCATGAGTGATAACACTGCG
GCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTT
TTGCACAACATGGGGGATCATGTAACTCGCCTTGATCGTTGGGAACCGGAG
CTGAATGAAGCCATACCAAACGACGAGCGTGACACCACGATGCCTGCAGCA
ATGGCAACAACGTTGCGCAAACTATTAACTGGCGAACTACTTACTCTAGCTT
CCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCAC
TTCTGCGCTCGGCCCTTCCGGCTGGCTGGTTTATTGCTGATAAATCTGGAG
CCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCACTGGGGCCAGATGGT
AAGCCCTCCCGTATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATG
GATGAACGAAATAGACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATT
GGTAACTGTCAGACCAAGTTTACTCATATATACTTTAGATTGATTTAAAACTT
CATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGAC
CAAAATCCCTTAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAA

Figure 1G

AAGATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCGTAATCTGCTGCTT
GCAAACAAAAAAACCACCGCTACCAGCGGTGGTTTGTTTGCCGGATCAAGA
GCTACCAACTCTTTTTCCGAAGGTAACTGGCTTCAGCAGAGCGCAGATACC
AAATACTGTCCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCT
GTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCT
GCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGACTCAAGACGATAGTTA
CCGGATAAGGCGCAGCGGTCGGGCTGAACGGGGGGTTCGTGCACACAGC
CCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGC
TATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCG
GTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTTCCAGGGG
GAAACGCCTGGTATCTTTATAGTCCTGTCGGGTTTCGCCACCTCTGACTTGA
GCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTATGGAAAAACG
CCAGCAACGCGGCCTTTTTACGGTTCCTGGCCTTTTGCTGGCCTTTTGCTG
GCCTTTTGCTCACATGTTCTTTCCTGCGTTATCCCCTGATTCTGTGGATAAC
CGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGCAGCCGAACGACC
GAGCGCAGCGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCTGACTTCCGC
GTTTCCAGACTTTACGAAACACGGAAACCGAAGACCATTCATGTTGTTGCTC
AGGTCGCAGACGTTTTGCAGCAGCAGTCGCTTCACGTTCGCTCGCGTATCG
GTGATTCATTCTGCTAACCAGTAAGGCAACCCCGCCAGCCTAGCCGGGTCC
TCAACGACAGGAGCACGATCATGCGCACCCGTCAGATCCAGACATGATAAG
ATACATTGATGAGTTTGGACAAACCACAACTAGAATGCAGTGAAAAAAATGC
TTTATTTGTGAAATTTGTGATGCTATTGCTTTATTTGTAACCATTATAAGCTGC
AATAAACAAGTTAACAACAACAATTGCATTCATTTTATGTTTCAGGTTCAGGG
GGAGGTGTGGGAGGTTTTTTAAAGCAAGTAAAACCTCTACAAATGTGGTATG
GCTGATTATGATCTCTAGTCAAGGCACTATACATCAAATATTCCTTATTAACC
CCTTTACAAATTAAAAAGCTAAAGGTACACAATTTTTGAGCATAGTTATTAAT
AGCAGACACTCTATGCCTGTGTGGAGTAAGAAAAAACAGTATGTTATGATTA
TAACTGTTATGCCTACTTATAAAGGTTACAGAATATTTTTCCATAATTTTCTTG
TATAGCAGTGCAGCTTTTTCCTTTGTGGTGTAAATAGCAAAGCAAGCAAGAG
TTCTATTACTAAACACAGCATGACTCAAAAAACTTAGCAATTCTGAAGGAAAG
TCCTTGGGGTCTTCTACCTTTCTCTTCTTTTTTGGAGGAGTAGAATGTTGAGA
GTCAGCAGTAGCCTCATCATCACTAGATGGCATTTCTTCTGAGCAAAACAGG
TTTTCCTCATTAAAGGCATTCCACCACTGCTCCCATTCATCAGTTCCATAGGT
TGGAATCTAAAATACACAAACAATTAGAATCAGTAGTTTAACACATTATACAC
TTAAAATTTTATATTTACCTTAGAGCTTTAAATCTCTGTAGGTAGTTTGTCCA
ATTATGTCACACCACAGAAGTAAGGTTCCTTCACAAAGATCCGGACCAAAGC
GGCCATCGTGCCTCCCCACTCCTGCAGTTCGGGGGCATGGATGCGCGGAT
AGCCGCTGCTGGTTTCCTGGATGCCGACGGATTTGCACTGCCGGTAGAACT
CCGCGAGGTCGTCCAGCCTCAGGCAGCAGCTGAACCAACTCGCGAGGGGA
TCGAGCCCGGGGTGGGCGAAGAACTCCAGCATGAGATCCCCGCGCTGGAG
GATCATCCAGCCGGCGTCCCGGAAAACGATTCCGAAGCCCAACCTTTCATA
GAAGGCGGCGGTGGAATCGAAATCTCGTGATGGCAGGTTGGGCGTCGCTT
GGTCGGTCATTTCGAACCCCAGAGTCCCGCTCAGAAGAACTCGTCAAGAAG
GCGATAGAAGGCGATGCGCTGCGAATCGGGAGCGGCGATACCGTAAAGCA
CGAGGAAGCGGTCAGCCCATTCGCCGCCAAGCTCTTCAGCAATATCACGG
GTAGCCAACGCTATGTCCTGATAGCGGTCCGCCACACCCAGCCGGCCACA
GTCGATGAATCCAGAAAAGCGGCCATTTTCCACCATGATATTCGGCAAGCA
GGCATCGCCATGGGTCACGACGAGATCCTCGCCGTCGGGCATGCGCGCCT
TGAGCCTGGCGAACAGTTCGGCTGGCGCGAGCCCCTGATGCTCTTCGTCC
AGATCATCCTGATCGACAAGACCGGCTTCCATCCGAGTACGTGCTCGCTCG
ATGCGATGTTTCGCTTGGTGGTCGAATGGGCAGGTAGCCGGATCAAGCGTA
TGCAGCCGCCGCATTGCATCAGCCATGATGGATACTTTCTCGGCAGGAGCA
AGGTGAGATGACAGGAGATCCTGCCCCGGCACTTCGCCCAATAGCAGCCA
GTCCCTTCCCGCTTCAGTGACAACGTCGAGCACAGCTGCGCAAGGAACGC
CCGTCGTGGCCAGCCACGATAGCCGCGCTGCCTCGTCCTGCAGTTCATTCA
GGGCACCGGACAGGTCGGTCTTGACAAAAAGAACCGGGCGCCCCTGCGCT
GACAGCCGGAACACGGCGGCATCAGAGCAGCCGATTGTCTGTTGTGCCCA
GTCATAGCCGAATAGCCTCTCCACCCAAGCGGCCGGAGAACCTGCGTGCA

Figure 1H

ATCCATCTTGTTCAATCATGCGAAACGATCCTCATCCTGTCTCTTGATCAGAT
CTTGATCCCCTGCGCCATCAGATCCTTGGCGGCAAGAAAGCCATCCAGTTT
ACTTTGCAGGGCTTCCCAACCTTACCAGAGGGCGCCCCAGCTGGCAATTCC
GGTTCGCTTGCTGTCCATAAAACCGCCCAGTCTAGCTATCGCCATGTAAGC
CCACTGCAAGCTACCTGCTTTCTCTTTGCGCTTGCGTTTTCCCTTGTCCAGA
TAGCCCAGTAGCTGACATTCATCCGGGGTCAGCACCGTTTCTGCGGACTGG
CTTTCTACGTGTTCCGCTTCCTTTAGCAGCCCTTGCGCCCTGAGTGCTTGCG
GCAGCGTGAAGCTTTTTGCAAAAGCCTAGGCCTCCAAAAAAGCCTCCTCAC
TACTTCTGGAATAGCTCAGAGGCCGAGGCGGCCTCGGCCTCTGCATAAATA
AAAAAAATTAGTCAGCCATGGGGCGGAGAATGGGCGGAACTGGGCGGAGT
TAGGGGCGGGATGGGCGGAGTTAGGGGCGGGACTATGGTTGCTGACTAAT
TGAGATGCATGCTTTGCATACTTCTGCCTGCTGGGGAGCCTGGGGACTTTC
CACACCTGGTTGCTGACTAATTGAGATGCATGCTTTGCATACTTCTGCCTGC
TGGGGAGCCTGGGGACTTTCCACACCCTAACTGACACACATTCCACAGCCG
GATCTGCAGGACCCAACGCTGCCCGAGATGCGCCGCGTGCGGCTGCTGGA
GATGGCGGACGCGATGGATATGTTCTGCCAAGGGTTGGTTTGCGCATTCAC
AGTTCTCCGCAAGAATTGATTGGCTCCAATTCTTGGAGTGGTGAATCCGTTA
GCGAGGTGCCGCCGGCTTCCATTCAGGTCGAGGTGGCCCGGCTCCATGCA
CCGCGACGCAACGCGGGGAGGCAGACAAGGTATAGGGCGGCGCCTACAA
TCCATGCCAACCCGTTCCATGTGCTCGCCGAGGCGGCATAAATCGCCGTGA
CGATCAGCGGTCCAATGATCGAAGTTAGGCTGGTAAGAGCCGCGAGCGAT
CCTTGAAGCTGTCCCTGATGGTCGTCATCTACCTGCCTGGACAGCATGGCC
TGCAACGCGGGCATCCCGATGCCGCCGGAAGCGAGAAGAATCATAATGGG
GAAGGCCATCCAGCCTCGCGTCGCGAACGCCAGCAAGACGTAGCCCAGCG
CGTCGGCCGCCATGCCGGCGATAATGGCCTGCTTCTCGCCGAAACGTTTG
GTGGCGGGACCAGTGACGAAGGCTTGAGCGAGGGCGTGCAAGATTCCGAA
TACCGCAAGCGACAGGCCGATCATCGTCGCGCTCCAGCGAAAGCGGTCCT
CGCCGAAAATGACCCAGAGCGCTGCCGGCACCTGTCCTACGAGTTGCATG
ATAAAGAAGACAGTCATAAGTGCGGCGACGATAGTCATGCCCCGCGCCCAC
CGGAAGGAGCTGACTGGGTTGAAGGCTCTCAAGGGCATCGGTCGAGGAAC
TTTCGGCGGCTTTGCTGTGCGACAGGCTCACGTCTAAAAGGAAATAAATCAT
GGGTCATAAAAATTATCACGTTGTCGGCGCGGCGACGGATGTTCTGTATGC
GCTGTTTTCCGTTGGCCGTTGCTGTCTGGTGATCTGCCTTCTAAATCTGCAC
AGCCGAATTGCGCGAGCTTGGTTTTGCTGAAACCGACACACAGCAACTGAA
TACCAGAAAGAAAATCACTTTGCCTTTCTGACATCAGAAGGGCAGAAATTTG
CCGTTGAACACCTGGTCAATACGCGTTTTGGTGAGCAGCAATATTGCGCTTC
GATGAGCCTTGGCGTTGAGATTGATACCTCTGCTGCACAAAAGGCAATCGA
CCGAGCTGGACCAGCGCATTCGTGACACCGTCTCCTTCGAACTTATTCGCA
ATGGAGTGTCATTCATCAAGGACNGCCTGATCGCAAATGGTGCTATCCACG
CAGCGGCAATCGAAAACCCTCAGCCGGTGACCAATATCTACAACATCAGCC
TTGGTATCCTGCGTGATGAGCCAGCGCAGAACAAGGTAACCGTCAGTGCCG
ATAAGTTCAAAGTTAAACCTGGTGTTGATACCAACATTGAAACGTTGATCGA
AAACGCGCTGAAAAACGCTGCTGAATGTGCGGCGCTGGATGTCACAAAGCA
AATGGCAGCAGACAAGAAAGCGATGGATGAACTGGCTTCCTATGTCCGCAC
GGCCATCATGATGGAATGTTTCCCCGGTGGTGTTATCTGGCAGCAGTGCCG
TCGATAGTATGCAATTGATAATTATTATCATTTGCGGGTCCTTTCCGGCGATC
CGCCTTGTTACGGGGCGGCGACCTCGCGGGTTTTCGCTATTTATGAAAATT
TTCCGGTTTAAGGCGTTTCCGTTCTTCTTCGTCATAACTTAATGTTTTTATTTA
AAATACCCTCTGAAAAGAAAGGAAACGACAGGTGCTGAAAGCGAGCTTTTT
GGCCTCTGTCGTTTCCTTTCTCTGTTTTTGTCCGTGGAATGAACAATGGAAG
TCAACAAAAAGCAGACGTATCTAGACACGTCTGAAGCTAGCTTCGAGGAAC
TTTCGGCGGCTTTGCTGTGCGACAGGCTCACGTCTAAAAGGAAATAAATCAT
GGGTCATAAAAATTATCACGTTGTCGGCGCGGCGACGGATGTTCTGTATGC
GCTGTTTTCCGTTGGCCGTTGCTGTCTGGTGATCTGCCTTCTAAATCTGCAC
AGCCGAATTGCGCGAGCTTGGTTTTGCTGAAACCGACACACAGCAACTGAA
TACCAGAAAGAAAATCACTTTGCCTTTCTGACATCAGAAGGGCAGAAATTTG
CCGTTGAACACCTGGTCAATACGCGTTTTGGTGAGCAGCAATATTGCGCTTC
GATGAGCCTTGGCGTTGAGATTGATACCTCTGCTGCACAAAAGGCAATCGA

Figure 1I

CCGAGCTGGACCAGCGCATTCGTGACACCGTCTCCTTCGAACTTATTCGCA
ATGGAGTGTCATTCATCAAGGACNGCCTGATCGCAAATGGTGCTATCCACG
CAGCGGCAATCGAAAACCCTCAGCCGGTGACCAATATCTACAACATCAGCC
TTGGTATCCTGCGTGATGAGCCAGCGCAGAACAAGGTAACCGTCAGTGCCG
ATAAGTTCAAAGTTAAACCTGGTGTTGATACCAACATTGAAACGTTGATCGA
AAACGCGCTGAAAAACGCTGCTGAATGTGCGGCGCTGGATGTCACAAAGCA
AATGGCAGCAGACAAGAAAGCGATGGATGAACTGGCTTCCTATGTCCGCAC
GGCCATCATGATGGAATGTTTCCCCGGTGGTGTTATCTGGCAGCAGTGCCG
TCGATAGTATGCAATTGATAATTATTATCATTTGCGGGTCCTTTCCGGCGATC
CGCCTTGTTACGGGGCGGCGACCTCGCGGGTTTTCGCTATTTATGAAAATT
TTCCGGTTTAAGGCGTTTCCGTTCTTCTTCGTCATAACTTAATGTTTTTATTTA
AAATACCCTCTGAAAAGAAAGGAAACGACAGGTGCTGAAAGCGAGCTTTTT
GGCCTCTGTCGTTTCCTTTCTCTGTTTTTGTCCGTGGAATGAACAATGGAAG
TCAACAAAAAGCAGAGCTTATCGATGATAAGCGGTCAAACATGAGAATTC

Figure 1J